



Arizona FirstNet Program

La Paz County Fire Chief's
Ehrenberg, AZ – August 11, 2014



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Who Has Heard of the Nationwide Public Safety Broadband Network (NPSBN) and FirstNet?



St. Peter's Square: The Vatican



Only 9 Years Ago It Was Still Uncommon...

Look a Flip Phone!

St. Peter's Square: The Vatican



Pope Francis Debut

Now, Data and Devices are EVERYWHERE!

The non-technical point of view...



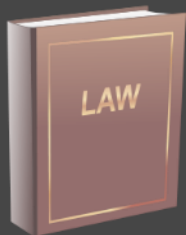
- What does this mean for public safety:
 - We now have sufficient communications spectrum that is ideal for public safety broadband data applications.
 - The new network will have the capacity to transmit mission critical data to our front-line personnel.
 - Since this is a private network; public safety will have first priority for use.
 - This is in contrast to no priority on today's commercial networks used by Fire Services.
 - This network will not replace your push-to-talk radio system – maybe someday, but not in the foreseeable future.





VISION

To provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to public safety



THE LAW 2.22.12

FirstNet becomes Law
PL 112-96

GOVERNANCE



FirstNet Board of Directors' **15** members have backgrounds in police, fire, sheriff, emergency medical, city government, and commercial telecommunications.

Governor appoints **1** single Point of Contact and governing body to represent the state's interests to FirstNet.

41 member Public Safety Advisory Committee (PSAC) advises FirstNet on public safety intergovernmental matters.

FUNDING

\$7B



authorized to build the FirstNet network. Funded by spectrum auctions through 2022. The first auction netted



\$1.6B



20MHz of bandwidth has been dedicated to public safety in the prime **700MHz** frequency range



What is the NPSBN and FirstNet?



- Nationwide 4G LTE network with **dedicated spectrum**
- Built for the needs of public safety users (primary and secondary)
- Standards based technology to provide reliability, resiliency, security, and interoperability
- **Self-sustaining fee-based network with potential for public/private partnerships and sharing of State, Local and Tribal infrastructure to lower costs**
- Will be built and operated by **FirstNet** - an independent authority within the National Telecommunications & Information Administration (NTIA)



FirstNet by the Numbers

WHO WILL USE FIRSTNET

5.4 Million

Potential FirstNet public safety users **nationwide**



**Law
Enforcement**

**Fire
Services**

**Medical
Services**

**Federal
Gov't**

**State
Gov't**

Utilities





How Is Broadband Being Used Across the State and What Does the Future Hold?



PS LTE will provide responders with real time data to do their jobs safely and more efficiently through...



Real-time Video

Public Safety “App Stores”

Push-to-Talk

Coordinated Response Tools

GPS Tracking and Mapping Tools

ICS Forms on Handheld

Facial Recognition Software

Field Fingerprinting

Field Reporting/Database Queries

Infrastructure Information (i.e.
Blueprints)

Now...

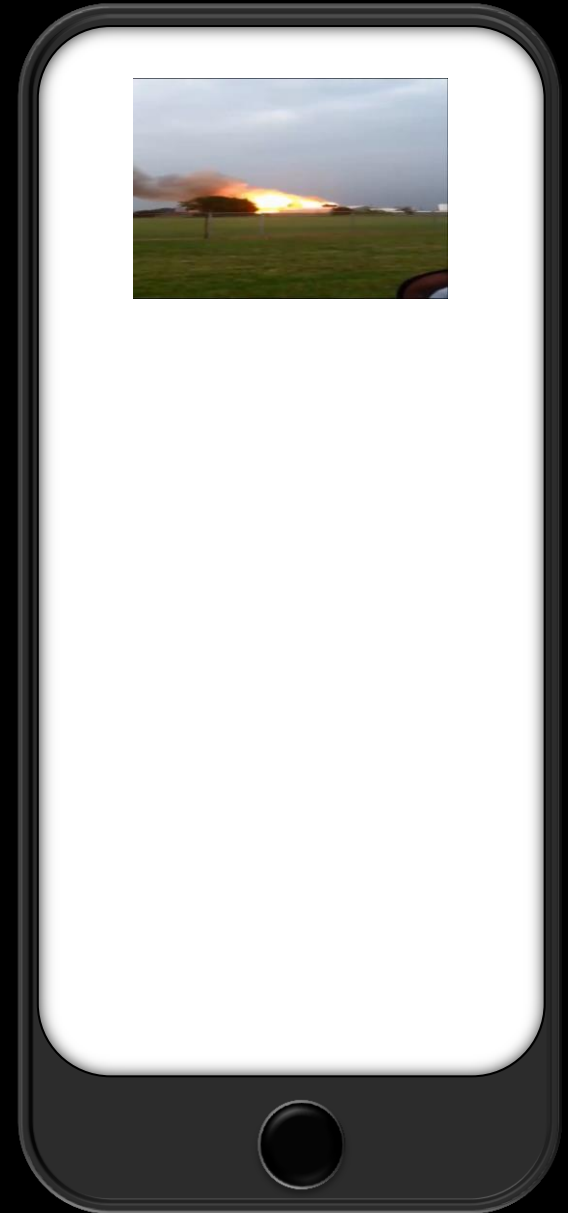
It's out West Fire, The uh West Fertilizer is uh... one of their mills is on fire...there's uh heavy smoke coming out of the top of it.

>>Stand by, was just about to do that.

<Volunteer Fire Tone Goes Out>

>>...61, fire. 61, fire. We need you to respond to the West Fertilizer Plant. They have uh...fire out there again. West fire (unintelligible)...West Fertilizer Plant.

With  **FirstNet™**

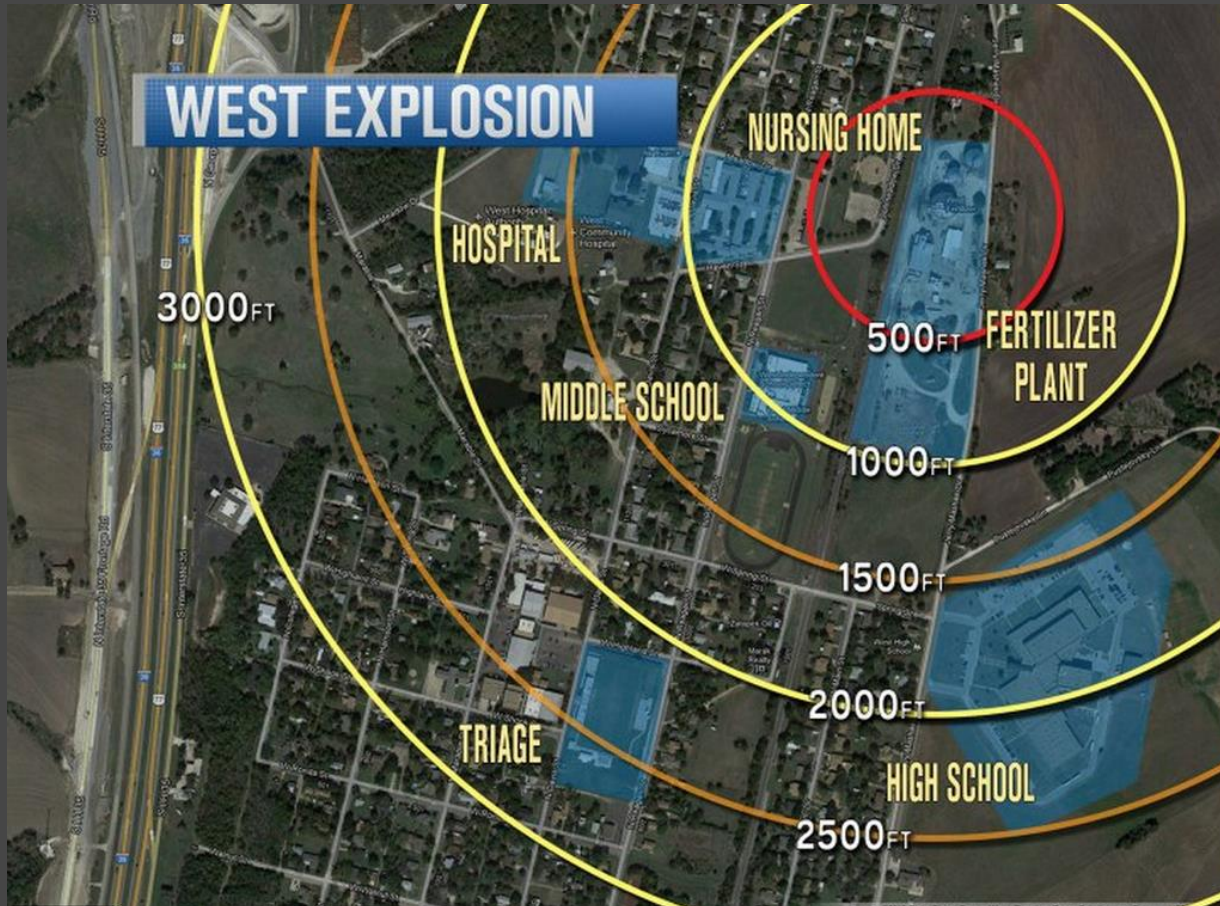


Data at your fingertips – while enroute or on scene...

With



FirstNet™

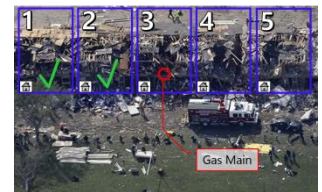
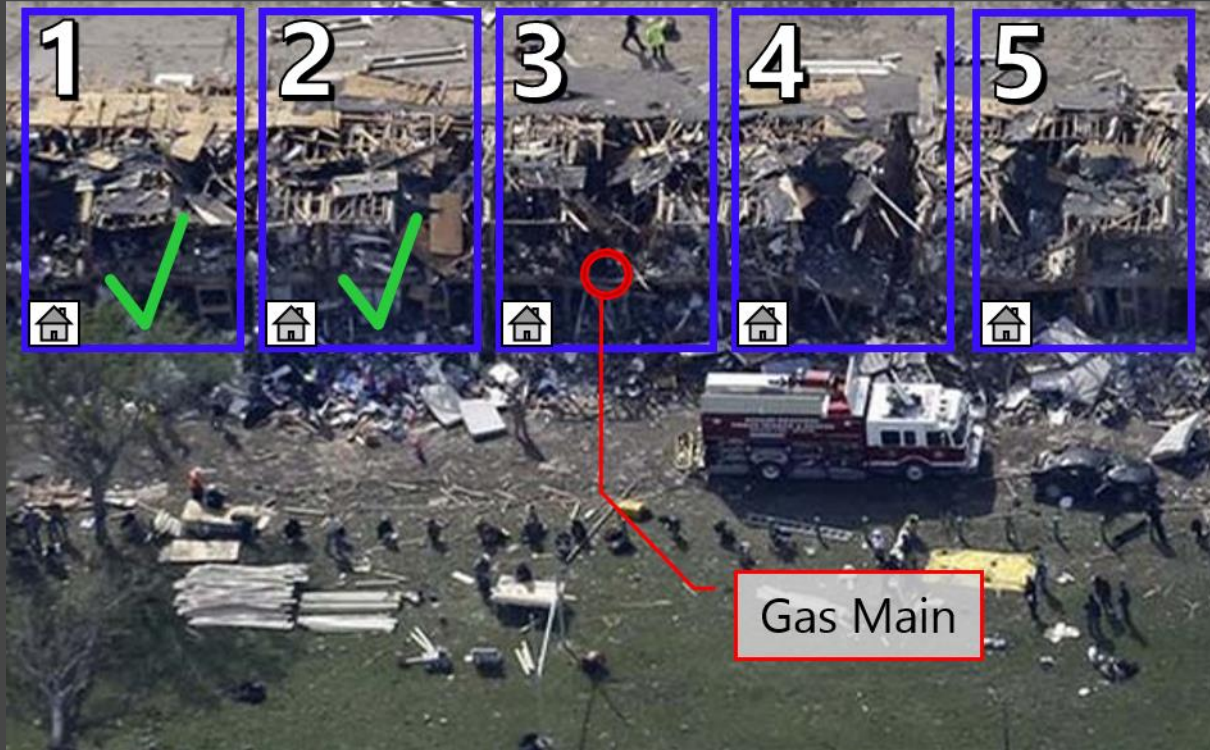


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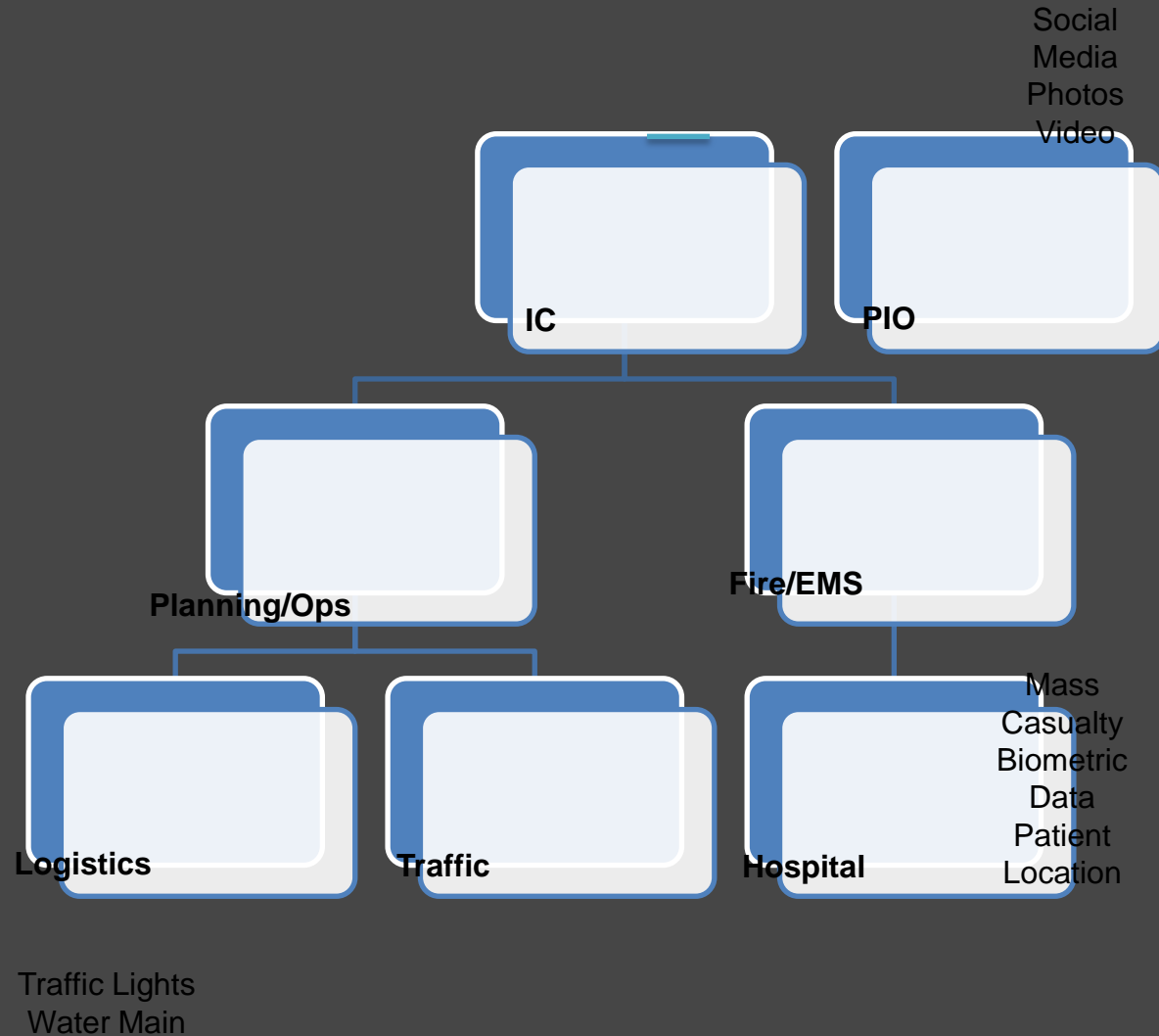


FirstNet™

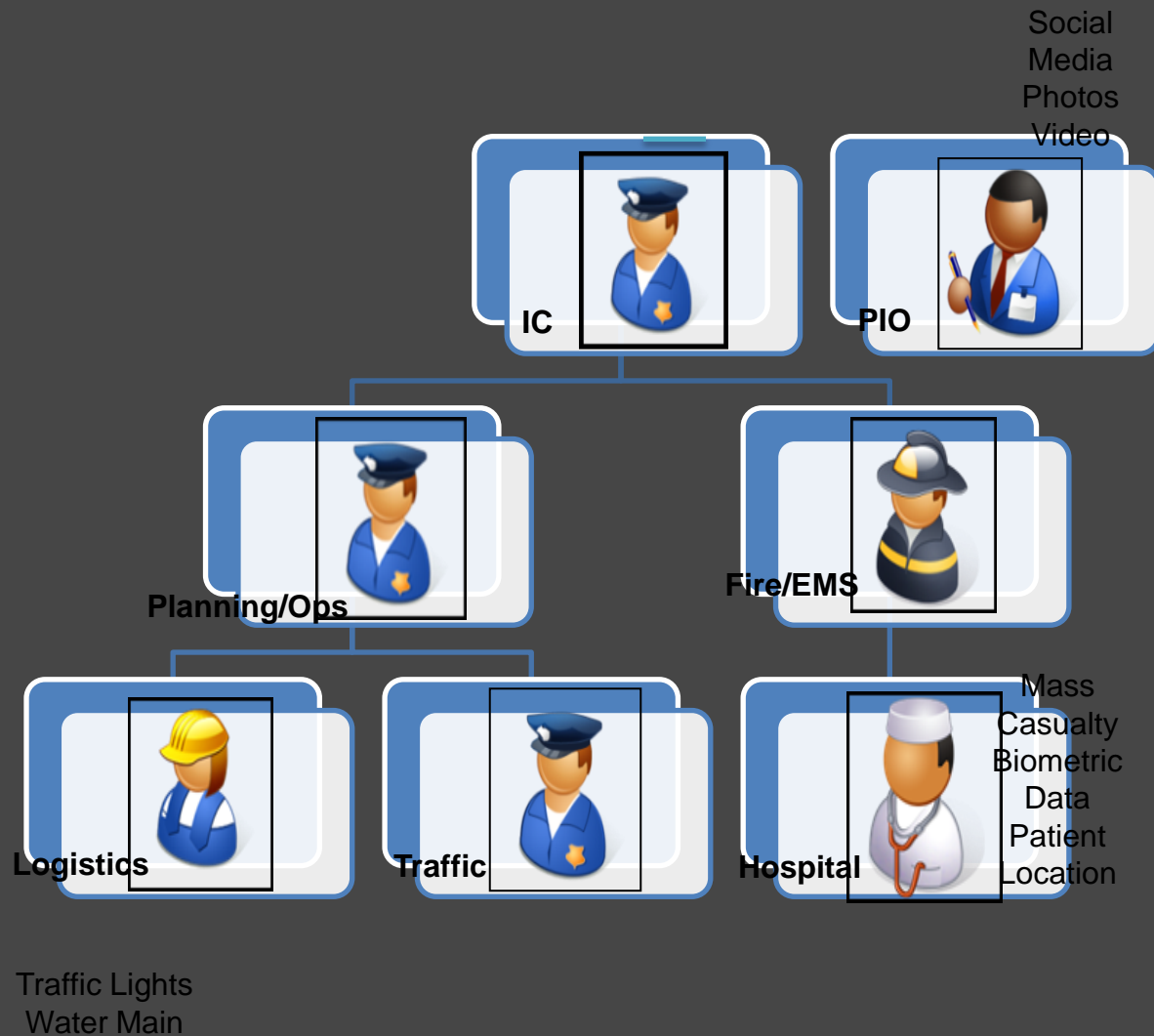


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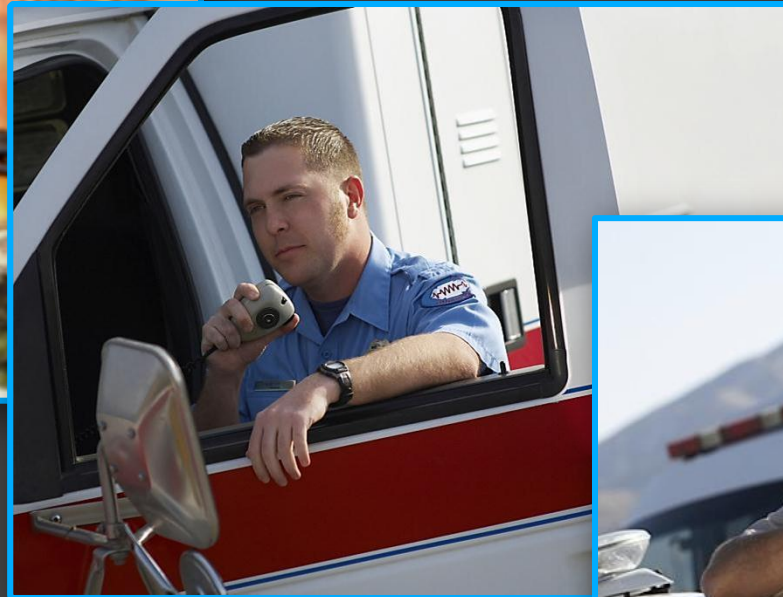
NIMS/ICS Org Chart



NIMS/ICS Org Chart



What does this mean to existing public safety 2-way radio systems?



Nothing... for now



Why Are We Here Today?

What is Arizona FirstNet?



- A program funded by the State and Local Implementation Grant Program (SLIGP) providing \$118M nationally for states to perform outreach and collect data for planning the NPSBN
- A program within the Broadband Planning & Public Safety Communications office in ADOA-ASET along with 9-1-1 and Broadband Planning
- Two main components of the SLIGP:
 - **Education and Outreach:** to inform and educate public safety stakeholders statewide; to determine how the new technology may impact governance and operations
 - **Data Collection and Coverage:** to collect agency data, coverage requirements, budget considerations, to determine possible participants and possible shared infrastructure



Arizona FirstNet Program



- Data Collection

- Validate agencies
- Identify eligible users
- Identify coverage needs
- Identify issues and challenges specific to your discipline or area of operation





How To Get Involved?

Stakeholder Role



- Stay informed on the progress of discussions.
 - Monitor Arizona FirstNet activities and provide updates to appropriate personnel within your organization.
- Ask questions
 - Some discussions can be very technical but your understanding of the concepts is critical to ensuring the practical, front-line needs of your personnel will be met.
- Provide input about your needs – this is YOUR network.



Does My Input Really Matter?



- Your input helps define the requirements
- Your input helps define the State plan
- Make sure FirstNet knows what you need

We need your **input** to make this network a success!



Ways to get involved



How to get involved and stay informed:

- Track progress and join our Interest Parties on our website: <https://azfirstnet.az.gov>
- Arizona FirstNet Team (azfirstnet@azdoa.gov)
 - Michael Britt
Arizona FirstNet Program Manager
 - Karen Allen
Arizona FirstNet Project Manager
 - Gregory Sundie
Arizona FirstNet Project Manager
- Twitter
@azfirstnet
- LinkedIn
<http://tinyurl.com/azfirstnet>





Thank you!